



Data Mesh Framework on Azure



Objective

You have implemented an unstructured data storage as a Data Lake and you face difficulties to scale-up and develop new data products. Using our asset-based Data Mesh Framework you will be able to decompose your centralized data into distributed data products called "domains" and get your teams more business focused.

We offer an asset-based service built around the Data Mesh paradigm. It includes the data platform as well as the support to shift organizational culture through dedicated workshops. Our pre-developed Data Mesh setup is using native tools from Azure. Example of deliverables included in the service:

- Data Mesh framework blueprint using Azure components
- Domain implementation with standardized interface for data load
- Federated data governance
- Ideation and governance workshops
- Set up of your Azure accounts and VPN access
- FinOps governance and monitoring tooling to control your CPU and Cloud consumption
- Up-to-your needs features development



Benefits

- ✓ **Rethinking data as a product.** Data Mesh creates an ecosystem of data products allowing its users to get the most out of data, data teams and data consumers
- ✓ **Teams get business focused.** Each domain team is responsible for domain-related use cases or is involved in solving a specific business problem
- ✓ **Interoperability, standardization.** Each domain provides standardized interfaces to access their data



Features

- **Domain API.** To avoid every domain data set being accessed differently, an abstraction of the backend technology is always applied. Meaning every domain implements its own domain API using standardized specifications
- **Self-service infrastructure as a platform.** The self-service platform is a simple and efficient way to manage the lifecycle of domains and its provisioning. It supports domain autonomy and allows teams to create and disseminate valuable data